

Darutoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Darutoside

Catalog No.: CFN97004

Cas No.: 59219-65-7

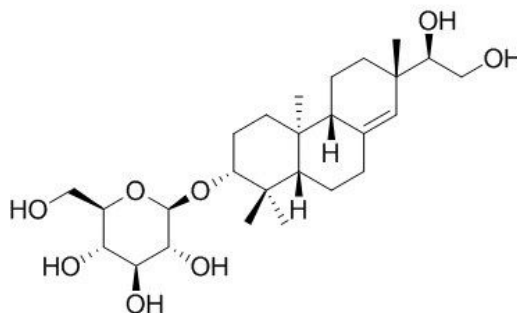
Purity: >98%

M.F: C₂₆H₄₄O₈

M.W: 484.6

Physical Description: Powder

Synonyms: Darutin; 8(14)-Pimarene-3,15,16-triol-3-O-D-Glucopyranoside.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

[Source]

The herb of *Siegesbeckia orientalis*.

[Biological Activity or Inhibitors]

Darutoside, a compound of the Chinese medicinal herb *Herba Siegesbeckiae* (HS), HS has long been used as a remedy for traditional Chinese medicine symptoms that resemble inflammatory joint disorders, because it can eliminate the wind-dampness and soothe painful joints; the processing with rice wine can significantly reduce the cytotoxicities and enhance the anti-inflammatory effects of HS as demonstrated in cell models.^[1]

Darutoside has been investigated for many years as an appropriate treatment for wounds.^[2]

[Solvent]

Methanol, Ethanol, Pyridine, DMSO.

[HPLC Method]^[3]

Mobile phase: 0.1% Formic acid in acetonitrile -0.1% Formic acid in water, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 215 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Su T, Yu H, Kwan H Y, *et al. J. Ethnopharmacol.*, 2014, 158:365-9.

[2]http://www.silderm.com/downloads/SD%20cream%20clinical%20summary_4pp_Aug_2011.pdf.

[3] Kong F Y, Hu H H, Tian Z H, *et al. China Journal of Chinese Materia Medica*, 2014, 98 (2):38–50.

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